

# Keystone Corridor Ground Water Contamination

Report of Proceeding

Taken on: March 20, 2018

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1 KEYSTONE CORRIDOR  
2 GROUND WATER CONTAMINATION  
3 SUPERFUND SITE, OPERABLE UNIT 3  
4 PROPOSED CLEANUP PLAN  
5 INDIANAPOLIS, INDIANA  
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12

8 PUBLIC HEARING

9 MARCH 20, 2018

10 6:00 - 8:00 P.M.  
11  
12

13 Conducted at: Marion County Public Health Department  
14 4012 N. Rural Street  
15 Indianapolis, Indiana

16 A STENOGRAPHIC RECORD BY:  
17 Mary S. McCary  
18  
19  
20  
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23  
24

A P P E A R A N C E S

U.S. ENVIRONMENTAL PROTECTION AGENCY:

Leslie Blake, EPA Remedial Project Manager

Ruth Muhtsun, EPA Community Involvement Coordinator

Keith Fusinski, PhD, EPA Human Health Risk Assessor

Shelly Lam, EPA On-Scene Coordinator

CH2M HILL:

Brett Fishwild, CH2M Project Manager

Jenn Simms, CH2M Vapor Intrusion Expert

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT:

Doug Petroff, Environmental Manager

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY:

Stephen Richardson, Environmental Health Scientist

MARION COUNTY HEALTH DEPARTMENT:

Pam Thevenow, Administrator

1 (Time noted: 6:03 p.m.)

2 MS. MUHTSUN: Hi, guys. Thanks for joining us.  
3 I just wanted to let you know that the Remedial  
4 Project Manager, Leslie, is going to be running a  
5 little bit late. She ran into a car accident on I-65,  
6 so as soon as she gets here, we'll set up our  
7 projector so we can start on the presentation.

8 (Recess taken.)

9 MS. LAM: Well, I have some good news. Leslie  
10 has arrived. She's out in the parking lot. It'll  
11 take us a few minutes to bring the posters and maps  
12 in. We appreciate your patience, and again I  
13 apologize that we're running late. A lot of things  
14 you can control, but traffic accidents isn't one of  
15 them, so thank you very much.

16 MS. MUHTSUN: All right. Hi, everyone. Thank  
17 you for waiting patiently.

18 So welcome to the EPA Keystone Corridor Ground  
19 Water Contamination Proposed Cleanup Plan.

20 Tonight we're going to go over EPA's proposed  
21 cleanup plan for part of the Keystone Corridor ground  
22 water site, so we'll --

23 I'm Ruth Muhtsun, the Community Involvement  
24 Coordinator.

1 Leslie Blake, the EPA Remedial Project Manager,  
2 will be giving the presentation along with Keith  
3 Fusinski, EPA's Human Health Risk Assessor.

4 We have also have with us from EPA Shelly Lam,  
5 On-Scene Coordinator.

6 We also have Brett Fishwild and Jenn Simms from  
7 CH2MHill, EPA contractors.

8 We have from the Indiana Department of  
9 Environmental Management Doug Petroff.

10 And from Agency for Toxic Substances and Disease  
11 Registry we have Stephen Richardson and Pam Thevenow  
12 from the Health Department here.

13 So the way the meeting will go is Leslie will  
14 present EPA's proposed cleanup plan along with some  
15 site history and other information about the Keystone  
16 site.

17 We will do a question-and-answer portion and  
18 that'll be any questions that you may have about  
19 Leslie's presentation or vapor intrusion or anything  
20 that we discuss, and then after we've answered  
21 everyone's question we'll do our formal comment period  
22 and that'll be a chance for you to let EPA know if you  
23 agree or disagree with our cleanup plan.

24 So do we have a court reporter here. She will be

1 recording everything as part of the public record --  
2 or as public record for the site, so please silence  
3 all your cell phones and electronic devices and only  
4 one person at a time should be talking. Please do not  
5 interrupt them or hold one-on-one side meetings.

6 If you do need to use your phone or have a  
7 conversation with anyone in the room, please leave the  
8 room and then you can return when you're finished.

9 And then during the formal comment period, please  
10 make sure you say and spell your name for the court  
11 reporter. During the questions you don't need to  
12 spell your name, but when you make your formal  
13 comment, please do.

14 If you do not make a comment tonight but still  
15 want to, the comment period will extend beyond  
16 tonight, so you'll still have a chance, and I'll let  
17 Leslie get into that.

18 MS. BLAKE: Hello, everyone. I'm Leslie Blake.  
19 I'm the project manager for this site. Sorry I'm  
20 running late tonight. Please don't put that as part  
21 of the record.

22 So I'm going to go to the agenda for tonight.  
23 We'll talk about the site history for Keystone  
24 Corridor, followed by what is vapor intrusion, because

1 that's why we're all here tonight to discuss, and then  
2 what our vapor intrusion investigation and results  
3 actually are, followed by a summary of the risks for  
4 the site, and then the proposed cleanup options for  
5 the vapor intrusion, then we will go into questions  
6 and answers regarding this presentation, followed by  
7 the formal public comment opportunity that Ruth just  
8 described to you on our actual cleanup plan.

9 So the Keystone site was added to the Superfund  
10 National Priorities list, or NPL, in December of 2013.  
11 Superfund's NPL is a listing of sites -- the most  
12 contaminated sites in the country. So it's eligible  
13 for tax dollar money for cleanup.

14 The site has a volatile organic compound, or VOC  
15 plume, or ground water contamination plume. It  
16 consists primarily of trichloroethylene, or TCE, and  
17 tetrachloroethylene, or PCE.

18 Some of the -- and those are commonly used  
19 solvents in dry cleaning processes so I'm sure many of  
20 you have heard of these contaminants.

21 So some of the potential contamination source  
22 areas of the site are from dry cleaning operations,  
23 commercial laundry, printing, metals, manufacturing,  
24 and chemical distributors in the area.

1           The drinking water is served by both public  
2       supply wells and private supply wells. The  
3       municipality is Citizens Water. One of the municipal  
4       wells was taken out of service due to VOC detections  
5       in it; however, before they distribute any water to  
6       the public, they do treat it.

7           Here's the actual site location map so you have  
8       an idea of the area that we're looking at. It's very  
9       large. It's approximately 390 acres. It's a mixed  
10      residential and industrial/commercial area. Near the  
11      X, that's the industrial/commercial area, and to the  
12      west -- northwest is the residential area.

13          So the boundaries of the site is 45th Street on  
14      the north, 38th Street on the south, Eastern Avenue on  
15      the east, and Norwaldo Avenue on the west. Those are  
16      the boundaries.

17          So because the area is very complex and large, we  
18      decided to divide it up into what we call operable  
19      units, or OUs. OU-1 is our source areas that are  
20      contributing to soil vapors and ground water  
21      contamination and our investigation is still ongoing.

22          OU-2 is the site-wide ground water contamination,  
23      and we also have an investigation that is ongoing.

24          OU-3 is what I'm discussing tonight. It's for



1 the site-wide vapor intrusion issues and it's going to  
2 be addressed in the -- or it is addressed in the  
3 proposed plan.

4 This is a figure to show you all of the potential  
5 sources of ground water contamination in the area.  
6 There are over 40 known users and handlers of the  
7 solvents. 18 of the 40 sites are under statewide  
8 cleanup programs, and if you look at the red circle,  
9 that is the former Tuchman Cleaners location where it  
10 is one of our primary sources of ground water  
11 contamination for this area, and it's also starred on  
12 the figure.

13 This figure shows the historical PCE ground water  
14 map showing primarily the highest concentrations are  
15 in the dark purple, and that's over a thousand parts  
16 per billion of ground water contamination of PCE and  
17 it's located just southwest of the Tuchman Cleaners  
18 facility, those high concentration areas.

19 So in 2014 our on-scene coordinator, Shelly Lam,  
20 actually conducted a removal action at Tuchman  
21 Cleaners removing soil from the property and then also  
22 installing vapor intrusion mitigation systems at 22  
23 properties that are highlighted in yellow. So  
24 those residential -- that residential area already has

1 systems in place because we knew that there was an  
2 issue due to the high levels of PCE found in the  
3 ground water.

4 So now you're thinking, "what is vapor  
5 intrusion?" So to explain it, we have a diagram here.  
6 It is the movement of chemical vapors from  
7 contaminated soil and ground water in some nearby  
8 buildings, usually through foundation cracks and  
9 holes. That's how it gets into the -- into airborne.  
10 It usually is caused from a spill in the area. It's  
11 not something that just occurs naturally. It's from  
12 actual contamination in the soil or ground water. And  
13 then it's just showing that the vapors can rise from  
14 the contaminated ground water plume and then it can  
15 accumulate underneath your basement or crawlspace, if  
16 you have one, or slab on grade depending on your  
17 foundation, but it does go through -- it seeps through  
18 the cracks and holes.

19 So we went through and conducted a vapor  
20 intrusion investigation at this area and we started  
21 with what we call soil vapor sampling, followed by  
22 doing building surveys at the affected properties, and  
23 then sub-slab sampling and indoor air sampling within  
24 the properties themselves, followed by outdoor air

1 sampling.

2 So in 2016 we collected approximately 80 soil  
3 vapor samples, and if you look at the diagram, it  
4 shows in orange the dots, the approximate locations.  
5 A lot of them are around that source area that we  
6 discussed for the Tuchman Cleaners. We obviously  
7 expanded the area as well.

8 We have analyzed the samples using a portable  
9 meter for real-time laboratory-grade results and we  
10 were able to analyze for our VOCs, which are, you  
11 know, PCE and TCE.

12 So then we would use this -- this is an example  
13 building survey. It's from the Indiana Department of  
14 Environmental Management and it just goes over the  
15 square footage of a building, when it was built, what  
16 type of foundation, whether there's a basement or a  
17 crawlspace area, and then it really helps us figure  
18 out what -- if there's any solvents that are in the  
19 home or industrial/commercial property that people may  
20 be using, and then where we can actually place our  
21 samples so that we get representative samples that are  
22 associated with the actual ground water contamination.

23 So if you look at the figure, we -- this is just  
24 an example at one of the residential locations where

1 we took samples in the living room area and then in  
2 the garage.

3 And here is a figure to show you the photos from  
4 our sub-slab sampling that was conducted in the  
5 buildings. So the first picture on the left shows a  
6 gentleman drilling a soil vapor probe, and then the  
7 middle picture shows the actual completed sub-slab  
8 soil vapor probe with a pin in it, and then on the  
9 right it shows how we collect an actual sample from  
10 the sub-slab using tubing followed by it's connected  
11 to a sampling canister on the right. I'll show you  
12 the sampling canister in the next slide.

13 So this is a picture of the air canister that we  
14 actually use. It's a vacuum-sealed sampling device so  
15 usually it's over a 24-hour period of time at a  
16 residential location because you're living in the  
17 residential location for that time period, while, like  
18 at an industrial/commercial facility, we would sample  
19 over an 8-hour time period because that's a typical  
20 workday.

21 So here are -- here's a picture of the buildings  
22 where vapor intrusion sampling was performed, and this  
23 is primarily based on access in the area. We actually  
24 have access agreements with us tonight, so hopefully

1 there are some people that can sign off on access  
2 agreements. We sent out a lot of access agreements to  
3 property owners, called them, went door to door, so  
4 here's to show the structures that were sampled and on  
5 average we collected two sub-slab soil vapor samples  
6 per location and one indoor air sample. But, again,  
7 it was based on the square footage of the facility.  
8 That's why we do those buildings surveys, to determine  
9 that. And then we also collected eight samples for  
10 outdoor air to check for surrounding sources of  
11 contamination.

12 For our vapor intrusion results, we -- it was 23  
13 buildings that were actually sampled in this area,  
14 again, based on access. In the sub-slab, we had TCE  
15 that exceed our EPA screening levels, which our Human  
16 Health Risk Assessor is going to describe in more  
17 detail, what is a screening level? What does that  
18 mean? But TCE exceeded in 25 percent of the samples  
19 collected, while PCE exceeded in 58 percent of the  
20 samples that were collected from those 23 buildings.

21 For indoor air, TCE exceeded the screening level  
22 in two samples while PCE exceeded in 5 of the samples.

23 We did not identify any outdoor air sources from  
24 the outdoor air samples that we collected.

1 And so now Keith Fusinski, our Human Health Risk  
2 Assessor, will describe what a screening level is.

3 MR. FUSINSKI: So one of the things that they're  
4 going to be asking to do tonight, if you haven't done  
5 this already, is to give us access to come into your  
6 homes. And, as Leslie showed, that also involves us  
7 drilling a hole in your floor.

8 And it's very important for us to be able to do  
9 that. What it does is it allows us to put this device  
10 into your floor and collect the gas from underneath  
11 your house. If it's at a high enough concentration,  
12 and plus the sample we collect indoor -- inside your  
13 house, if it passes our screening levels, which I'll  
14 tell you in a minute, then we have to put on a  
15 mitigation system.

16 But it's very important that you let us come into  
17 your homes to do this. Otherwise, we can't fix the  
18 problem if we don't know it's there.

19 Now to talk about what I was supposed to talk  
20 about.

21 So EPA uses what's called screening levels.  
22 They're based on cancer; they're based on non-cancer.  
23 For non-cancer, it's basically based on a threshold  
24 dose. If you go into a drugstore and buy a bottle of

1 Tylenol or whatever, it says don't exceed this much in  
2 a day because if you do, it becomes toxic.

3 So through scientific studies we found of these  
4 chemicals how much of a dose somebody could have every  
5 single day of these chemicals and not have a toxic  
6 effect. So that's what our screening level is based  
7 on for non-cancer.

8 For cancer, cancer is cancer. It doesn't matter  
9 if you smoke one cigarette in your lifetime or 30  
10 packs of cigarettes in a day, it all adds to cancer  
11 throughout your lifetime.

12 So we try to protect as -- from a one in a  
13 million chance of getting cancer on top of what your  
14 chances are of getting cancer already. Does that make  
15 sense?

16 So, as I said, for cancer we want less than one  
17 in a million chance. It's like playing the lottery.  
18 We really want you below one in a million. We will  
19 accept one to 10 -- 1 in 10,000. What this means,  
20 basically, if you have these gases building up in your  
21 basement, if we put 10,000 people in your home -- and  
22 this is the important part -- and they stay in your  
23 home 24 hours a day for 350 days a year for 26 years,  
24 they have a 1 in 10,000 chance of getting cancer,

1 or -- and that's -- that's the high end of our  
2 acceptable level. We would really prefer you being at  
3 one in a million or less.

4 If we get above 1 in 10,000, it becomes what we  
5 call an acute risk and the removal program comes in  
6 and does an emergency response.

7 For non-cancer, like I said, it's based on a  
8 threshold. That threshold, through laboratory  
9 studies, we figure on adults -- and the person can be  
10 exposed to it every single day for 26 years based on  
11 24 hours a day, 350 days a year for 26 years for  
12 residential. That 26 years is just based on the  
13 average of how long someone lives in a home.

14 So if you take that reference dose that we have  
15 that doesn't cause an effect, and you have that same  
16 concentration in your house, if you divide it by the  
17 reference dose, the answer is one. So we want you to  
18 be less than one, less than one reference dose. As  
19 long as you're below that concentration, you shouldn't  
20 get sick.

21 Once you get above one, we start talking about  
22 remediation. If we get three times that reference  
23 dose, we have a problem. Once again, it becomes an  
24 acute risk and our removal program comes in.



1           So when we say you're above our screening levels,  
2   I want you to understand that you're above our  
3   screening levels in your home if you're there 24 hours  
4   a day, 350 days a year, for 26 years.

5           So what we have here is TCE and PCE. They're  
6   both chemicals that are -- they're found -- we found  
7   them in the ground water; we found them in the soil  
8   vapor; we found them in the sub-slab; and we found  
9   them inside -- indoor -- inside homes. So we've  
10   already put on remediation systems in some homes here.  
11   If we can't get in your home, we don't know if there's  
12   a problem. We can't put on the system.

13          So this shows residential, commercial/industrial.  
14   Residential, like I said, 24 hours a day, 350 days a  
15   year, for 26 years. We should all be able to repeat  
16   that over and over again.

17          For industrial/commercial, it's based on an  
18   8-hour exposure for 250 days a year for 25 years.  
19   That's the average amount of time someone spends at  
20   their job. And for residential we do 350 days a year  
21   because we actually let people leave on the weekends.

22          So what this shows you is our concentrations for  
23   both TCE and PCE in the sub-slab and indoor area. And  
24   you'll notice that you have to have a higher

1 concentration in the sub-slab. These gases go from a  
2 higher concentration to a lower concentration. So if  
3 they're coming up from underneath your house, they're  
4 going to accumulate underneath your house and then  
5 they're going to break in through any cracks or any  
6 holes in the foundation and they get into your house.

7 So what we do is we figure out a risk -- a  
8 concentration that's a risk inside your home then we  
9 back calculate how much it should be underneath the  
10 house. So when you see you have a screening level or  
11 a concentration above the screening level underneath  
12 your house, doesn't mean it's necessarily going to  
13 come into your house, but as long as it passes those  
14 numbers up there, we want to do more studies or  
15 investigation.

16 That's for you.

17 MS. BLAKE: So as I mentioned before, there's  
18 three operable units at the site due to the complexity  
19 of the site. So for OU-3 for vapor intrusion there  
20 are only two alternatives: We're either going to take  
21 action, or we aren't going to take action.

22 So Alternative 1 is no action and it's required  
23 under our law as a baseline comparison.

24 Alternative 2 is to install vapor intrusion

1 mitigation systems at the residential and  
2 industrial/commercial buildings where vapor intrusion  
3 is found to pose a risk to human health, and it is  
4 based on the sampling results and if they are  
5 exceeding those screening levels that Keith just  
6 discussed with you.

7 So for Alternative 1, no action. Like I said,  
8 we're required to evaluate it by regulation. It uses  
9 the baseline, and it would mean that we would take no  
10 action to prevent exposure to contamination for the  
11 vapor intrusion pathway.

12 Alternative 2 is to install the vapor intrusion  
13 mitigation systems. Right now we know that there's  
14 eight known properties, industrial/commercial  
15 buildings, and there are up to 88 additional buildings  
16 in the area which I'll go over the figure in the next  
17 slide.

18 And we would also do operation and maintenance,  
19 and that includes inspection, maintenance, and  
20 periodic testing for a period of up to five years, and  
21 then after that five years is up, then the State comes  
22 in and helps with the O&M, or operation and  
23 maintenance.

24 We would also implement institutional controls to

1 help prevent exposure, and this could include a local  
2 ordinance, building permit requirement when there's  
3 new installation in the area, deed notices and/or  
4 annual letters to homeowners and industrial/commercial  
5 property owners.

6 So here's the figure to show you our potential  
7 vapor intrusion area of concern. The solid purple  
8 line is TCE. The dashed purple line is PCE. And this  
9 area was developed -- it's a very conservative  
10 estimate, again, based on what Keith was describing.  
11 You know, it's based on a residential soil vapor  
12 cleanup, so that means that someone would be in the  
13 area 24 hours a day for 350 days per year --

14 MR. FUSINSKI: -- for 26 years.

15 MS. BLAKE: Yes. And then the black dots on this  
16 figure show where we actually had access that was  
17 granted where we could collect samples.

18 And then the yellow dots are the soil vapor  
19 samples which I described in the previous figures.

20 And then the tan shaded area are the parcels that  
21 actually require the vapor intrusion mitigation  
22 systems at this time. Those are the eight known.

23 And then the blue shaded are parcels that  
24 actually have vapor intrusion mitigation systems that

1 were installed as part of that removal action for  
2 Tuchman Cleaners.

3 Also under our Superfund law, we are required to  
4 look at nine criteria when we're developing cleanup  
5 alternatives, and this will -- this will also be --  
6 we'll include this as part of the other operable units  
7 when we get to that stage, but for OU-3, our vapor  
8 intrusion, we looked at the overall protection of  
9 human health and the environment; compliance with  
10 applicable, relevant and appropriate requirements, or  
11 ARARs, as we call them. It's also -- it just means  
12 compliance with state and federal laws.

13 And then we also look at the long-term  
14 effectiveness and permanence of the remedy.

15 Fourth one is reduction of toxicity, mobility, or  
16 volume through treatments.

17 Five is the short-term effectiveness.

18 Six is how easily it can be implemented, or  
19 implementability.

20 Seven is our cost.

21 Eight is state acceptance.

22 And nine is community acceptance.

23 So when you look at this chart, you'll see that  
24 the black shaded means that it meets the criteria,

1 while the unshaded squares mean that it does not meet  
2 the criteria.

3 So for Alternative 1, no action, it does not meet  
4 our criteria.

5 So for Alternative 2, what we're proposing, to  
6 actually install the systems, it meets all of our  
7 criteria except for the fourth criteria, which is  
8 reduction of toxicity, mobility, or volume through  
9 treatment because we aren't actually treating the  
10 ground water. We are installing a system to reduce  
11 exposure.

12 So until we actually can clean up the ground  
13 water, this is an interim measure and an early action,  
14 as we call it.

15 And I'm sorry. I didn't go over the cost. Okay.  
16 So the costs are from 1.4 million to 7.2 million. 1.4  
17 million is to install the systems at the eight known  
18 industrial/commercial properties. So it can be up to  
19 7.2 million if we were to install systems at all 88  
20 properties that fall in that area of concern that  
21 we've identified.

22 Our next steps, we will have a public comment  
23 period. It already started on March 7th and it runs  
24 through April 5th. We will evaluate all of the public

1 comments that we receive, either by email, tonight,  
2 you can call me. So we will look at all public  
3 comments. And we will include the comments in what we  
4 call a record of decision, which is our decision  
5 document for this proposed cleanup.

6 And then we would do a remedial design to conduct  
7 pre- and post-sampling, post-design sampling, at the  
8 properties that are affected, and we would install the  
9 vapor intrusion mitigation systems.

10 These systems are installed at no cost to the  
11 building owners for equipment installation and  
12 sampling; however, we would expect you to pay for  
13 electricity costs. So you may -- you would see a  
14 slight increase in your electricity bill.

15 And here's a slide to show the vapor intrusion  
16 mitigation system, what it actually looks like, and  
17 maybe you've even seen some of them in the area if  
18 you've driven around, but the top left two pictures  
19 show the piping that's installed in a crawlspace area,  
20 and then the pictures on the bottom show that the  
21 piping can actually go through walls or joists to be  
22 hidden, and then the right picture shows the system  
23 that's on the exterior, along with a fan and -- or the  
24 blower that you can see, just the cylinder, and then

1 on the bottom it's just showing that it's vented  
2 through the attic.

3 So there are many ways that we can put these  
4 systems in.

5 Okay. So Ruth is going to come up and we'll go  
6 through any questions.

7 MS. MUHTSUN: All right. So for those of you who  
8 joined us late, this portion is just any questions  
9 that you might have about the topics that Leslie just  
10 presented, excuse me, vapor intrusion, site history,  
11 that kind of stuff.

12 Once we're finished with the questions and  
13 answers, we will take your formal comments on EPA's  
14 proposed plan. If you do want to make a formal  
15 comment, if you could please -- well, and your  
16 questions as well, if you could please step up to the  
17 microphone so that everyone can hear your question,  
18 and then when you do make a formal comment, please say  
19 and spell your name.

20 And then also to add, if you do not make a  
21 comment tonight, we do have comment sheets and pre- --  
22 pre-postage paid envelopes in the back that you can  
23 mail back to us with any comments that you might have.

24 So did you have a question, sir?



1 MR. [REDACTED]: My name is Dr. [REDACTED]  
2 (phonetic). I know in the beginning you said that in  
3 order to be in the Superfund program that the  
4 program -- that the -- yeah. In order to be in the  
5 Superfund program, there's a certain criteria that  
6 must be met, and we've met that criteria. Am I  
7 correct?

8 MS. BLAKE: Yes.

Exemption 6

9 MR. [REDACTED]: The second question would be, on a  
10 scale of 1 to 10, how bad would you say, you can  
11 estimate, the problem is for us in this area?

12 And the third question is, I know we're talking  
13 about air sampling and air issues, but should we be  
14 drinking the water?

15 MS. BLAKE: Okay. We'll start with the first  
16 one. I'm not going to give an actual number but I am  
17 going to say that it is a serious situation and that's  
18 why we're out here to take an interim action now.

19 Again, this site is divided into three operable  
20 units so that we can look at things on a, you know,  
21 area-by-area basis, but once we discover that there's  
22 actual vapor intrusion occurring in homes, we can take  
23 a quick measure now versus waiting, you know, years to  
24 cleanup the ground water, because that's -- it's going

1 to take years to clean up the ground water. It's not  
2 a quick fix. But putting in these systems is a quick  
3 fix.

4 So for the drinking water part, yes, your  
5 drinking water is safe to drink. The municipality has  
6 to meet federal maximum contaminant levels, MCLs, for  
7 a multitude of contaminants in -- that they test for  
8 before they can distribute it to the public, and if  
9 you even look at their website, they blend and treat  
10 the water before they distribute it to the public.

11 So although I'm talking about ground water being  
12 a concern here, right now we know that the ground  
13 water contamination is down to about 80 feet below  
14 ground surface. The municipal supply wells are in  
15 bedrock, which means about 200 feet below ground  
16 surface.

17 So, yes, the ground water could potentially  
18 impact the drinking water in the future. That's why  
19 the ground water does need -- we need to take an  
20 action to clean that up. But, like I said, the site's  
21 divided into three units so we will be addressing  
22 ground water contamination as well.

Exemption 6

23 MR. [REDACTED]: Thank you.

24 MS. MUHTSUN: Did anyone else have a question?

1 Yes, sir.

Exemption 6

2 MR. [REDACTED].

3 I'm curious as to how far does this go down? I  
4 try to tried to look at the map, but does it go down  
5 to 38th and Keystone, to that area also? Or -- and  
6 then what was found as far down as 38th and Keystone?  
7 I think that was -- I don't know if that was slide 17  
8 or -- or -- no, maybe --

9 MS. BLAKE: Let's start with the boundary figure.  
10 So, yes, the actual site boundaries, that's how it was  
11 listed as part of the national priorities listing, so,  
12 you know, back before it was listed in 2013, the  
13 Indiana Department of Environmental Management, they  
14 were taking samples from all of those known, you know,  
15 sourced areas to determine kind of what the boundaries  
16 of this Keystone Corridor would be for our listing  
17 package.

18 So if you're asking whether or not the  
19 contamination extends to 38th Street, yes, it does,  
20 for the ground water contamination, and I believe even  
21 for our estimated vapor intrusion area of concern for  
22 the boundaries.

Exemption 6

23 MR. [REDACTED]: So it actually goes down there. So  
24 then my next question, the devices that you're going

1 to use to help monitor the air and also the water, how  
2 long have you been using those devices and how -- you  
3 know, is it a test time that shows that even though  
4 over time people don't develop any type of illnesses  
5 or just anything, even though that those devices are  
6 there, and even though that they've been treating  
7 water, I mean, say that two, part two, can people  
8 still get something -- you know, can we be at risk at  
9 all? Are you saying that we're 100 percent okay once  
10 these devices are put on the house?

11 MS. BLAKE: Once the vapor intrusion --

Exemption 6

12 MR. [REDACTED]: Yes.

13 MS. BLAKE: -- system is in place?

Exemption 6

14 MR. [REDACTED]: Yes. And the water.

15 MS. BLAKE: Yes. So for the vapor intrusion  
16 systems, once it is in place, it does alleviate any  
17 concerns for airborne volatile organic compounds  
18 because it vents it into the atmosphere. It's  
19 basically pulling from, you know, your basement and  
20 then flowing out into the atmosphere.

21 MR. FUSINSKI: These compounds actually break  
22 down in the sunlight. So that's why we put it -- we  
23 blow them out above your house, but then when they hit  
24 the atmosphere and the sunlight hits it, these all

1 break down.

2 MS. SIMMS: It's the same type of systems that we  
3 have been using to treat radon for so many years, so  
4 if you've seen those in houses, it's a fan that will  
5 vent -- it will pull the air that's underneath the  
6 building and vent it outside so it cuts off that  
7 pathway where the vapors can get into the building and  
8 they've been using those same treatment systems for  
9 radon for many years.

Exemption 6

10 MR. [REDACTED]: And have you thought about proposing  
11 sealing up the cracks around the houses, or, if  
12 there's basements that have cracks in them, why can't  
13 they just be sealed to prevent the gases from getting  
14 in? And that wouldn't eliminate the risks altogether.

15 MS. SIMMS: That is part of what we do. So when  
16 we come in to evaluate your house and we've determined  
17 that it needs to have a system, we will look at  
18 sealing those cracks up because what'll happen is if  
19 you apply that vacuum where you're pulling the air  
20 underneath the building, if you don't seal those  
21 cracks up, it's just going to pull the air from in the  
22 house, down through, and then out.

23 So we really want to seal the basement, or if  
24 it's a slab-on-grade building, we want to seal that

1 also to just help that system work.

2 But these vapors, not only can they get into a  
3 building by coming through the cracks and any holes  
4 that you have in your slab, but they can diffuse  
5 through the concrete. So we need to do more than just  
6 seal the cracks in the slab.

Exemption 6

7 MR. [REDACTED]: And then I guess my last -- I have  
8 more questions than that, but there's several  
9 businesses in that area, and, you know, if this  
10 becomes more public, and hopefully, you know, the news  
11 just left, but it would definitely hurt a lot of the  
12 businesses in that area, you know, from daycares --  
13 there's daycares in that area, there are -- there's  
14 food places, there's restaurants.

15 So, you know, it just seems like it's such of an  
16 enormous problem, it's bigger than just, you know,  
17 putting these things on -- on the lines and saying,  
18 Hey, you know, everything's going to be okay. I mean,  
19 is that really the plan?

20 MR. FUSINSKI: The problem is, whether we do  
21 anything or not, these vapors are there. They're  
22 coming in, say at daycare. So you have children  
23 playing in this daycare. These vapors are getting  
24 into it.

1           So what we want to do is come in and stop those  
2 vapors from coming into the daycare and affecting the  
3 kids. That's all these systems do is they stop the  
4 vapors from coming into the building and stops the  
5 exposure to the people in the buildings.

6           So the concept of hurting the business, honestly,  
7 I think is a moot point when you're protecting the  
8 children. Because, you know, for me, it's all about  
9 human health. That's what I do. And if I'm  
10 protecting the children and I'm protecting the people  
11 going into the restaurant, eating the foods, I think  
12 that's more important than, you know, is it going to  
13 cost the business a little bit of money to put the  
14 system in, which technically it shouldn't, but it's  
15 more important to keep the people safe who come to  
16 these businesses.

Exemption 6

17       MR. [REDACTED]: Okay.

18       MS. BLAKE: And you had a question again about  
19 the drinking water, right?

Exemption 6

20       MR. [REDACTED]: Well, you know, this problem that you  
21 say has been going on, well, actually, they made it  
22 a -- well, they added it to the -- and I --

23       MS. BLAKE: NPL.

Exemption 6

24       MR. [REDACTED]: Yeah, that was December of 2013.

1 So -- but the problem has been going on before then,  
2 right? Before you guys got involved. So what are the  
3 risks now that the -- before then? I know now you  
4 guys came in and you put these things in place, and  
5 you've still got work to do, but what happens in --  
6 what are the effects for the people who have been  
7 living since Tuchman's, you know, and all this has  
8 been going on for quite some time? I think it goes  
9 back to, what is it, two thousand --

10 MS. BLAKE: 2008.

Exemption 6

11 MR. [REDACTED]: '8, yeah. So the effects -- the  
12 damage could have already been done in so many ways,  
13 right? Is that correct?

14 MR. FUSINSKI: That goes into the health --

15 MS. BLAKE: That goes into risk assessment and  
16 health.

Exemption 6

17 MR. [REDACTED]: So for the last five years, that has  
18 been going on and people don't -- haven't realized  
19 that it was going on. So what are the risks now, and  
20 are these people affected in any type of way? And  
21 including me, because I've been here for the last five  
22 years.

23 MR. FUSINSKI: I mean, that's a hard question to  
24 answer. And one of the things -- there's a human



1 health, what I --

2 MS. BLAKE: Right. There will be a human health  
3 risk assessment and also a public health assessment  
4 that is conducted.

5 MR. FUSINSKI: So the public health assessment  
6 takes a look at -- basically, the way I look at it, is  
7 they do from what happened before up until now. And  
8 then a risk assessment looks at now into the future.  
9 So I deal with now into the future, where public  
10 health assessment, which is currently being done,  
11 looks at from the beginning until now.

12 So that's currently in the works of being studied  
13 right now, of what -- you know, what the  
14 concentrations are, what effects could there be.

15 The important thing to remember is with these  
16 concentrations for residential, it's 24 hours a day,  
17 350 days a year, for 30 years -- for 26 years. You  
18 know, it's everything -- and toxicology involves, you  
19 know, the dose and the exposure time: How much is  
20 there? How long are you exposed to it?

21 So these numbers, these protective numbers that  
22 we make, are based on that very long exposure time.  
23 So if we looked at, you know, in comparing a 24-hour  
24 350-day-a-year exposure to, you know, at home for six

1 hours a day for, you know, this has been going on for  
2 five years, those concentrations, when we look at  
3 those, they have to be much higher to have the health  
4 effects that we're seeing in these other -- at the  
5 longer exposures.

Exemption 6

6 MR. [REDACTED]: Well, but -- but no health tests have  
7 been done.

8 MR. FUSINSKI: Well, that's what they're -- the  
9 health assessment is currently being done.

Exemption 6

10 MR. [REDACTED]: It's being done.

11 MR. FUSINSKI: To look and see if there was a  
12 potential risk of something that could have happened.

Exemption 6

13 MR. [REDACTED]: And then my -- I guess my last  
14 problem -- well, my next question is, since Tuchman's  
15 is gone, if there is health risks, who will take  
16 responsibility as far as for that? I mean, if someone  
17 was going to be held accountable, is Tuchman's all the  
18 way gone now? Is this a city problem? Or is it a EPA  
19 problem? Who's going to stand up for the issue if  
20 it -- if it's -- needs to be addressed further? Who's  
21 going to deal with it?

22 MS. BLAKE: So EPA will actually do enforcement  
23 against what we call potentially responsible parties.  
24 So we'll look to see if the past owners were

1 responsible, current owners, and identify -- you know,  
2 we'll look at their ability to pay as well, but we can  
3 issue orders for them to pay for the cleanup.

4 If we find that there are no viable potentially  
5 responsible parties, then EPA pays for the cleanup.

Exemption 6

6 MR. [REDACTED]: So -- okay.

7 MS. BLAKE: So it's still ongoing.

Exemption 6

8 MR. [REDACTED]: And then on the health side of it, I  
9 just want to make sure my name is added. I'd like to  
10 get tested. I've been in the area for over 10 years,  
11 so, I mean -- and listening to you, I mean, I don't  
12 want to seem -- I'm not trying to be rude, but my home  
13 is my tomb, I guess, if I stay in it long enough. So  
14 it's become a dangerous place for me, but that's also  
15 the only place I know when I'm done working and I come  
16 home or if I just want to sit home and relax, I'm just  
17 saying that, hey, my home could be filled with toxic  
18 fumes.

19 MR. FUSINSKI: So --

Exemption 6

20 MR. [REDACTED]: So I have a problem with just  
21 listening to this. It makes me very angry that this  
22 could have went on so long and you guys are just now  
23 getting here, but, you know, you got to understand  
24 that the kids, my kids, you know, and whether or not

1 they're even going to get a fighting chance to live  
2 out a fulfilled life if this is a -- such of a big,  
3 you know, deal that you guys are saying.

4 So I don't know, it just bothers me just  
5 listening to this, and that knowing that in 2008, I  
6 guess this is when it started, it took all the way  
7 until 2013 before it got on the radar, and then here  
8 we are in 2018 just now having a real conversation,  
9 you know, what -- I guess it started a few months  
10 before, but, you know, and the cleanup is not all the  
11 way done and just got started just a little bit.

12 And, you know, and so many people that did get  
13 these flyers, I agree, but I think we need to go door  
14 to door if we have to because it's a very serious  
15 issue.

16 MR. FUSINSKI: So -- and I'm glad you said that,  
17 actually, because, like I said, we're not going to  
18 know if there's a problem if we can't get into  
19 people's homes to find out. So these access  
20 agreements that we have here, if you haven't signed  
21 one yet, sign one. Take some home. Give them to your  
22 neighbors. Have them sign them and mail them in.  
23 Because if we can't get into the home to see if  
24 there's a problem, we're not going to know. We can't

1 put a system on to protect the air inside someone's  
2 home if they're not going to let us in to let us know.

Exemption 6

3 MR. [REDACTED]: Okay. And, well, you know, I don't  
4 know what -- what to say, but -- but I'm really afraid  
5 for the businesses in the area, but I'm also a  
6 investor so I buy real estate and I've bought quite a  
7 few houses in that area so my tenants don't know about  
8 this situation, but I know that the situation will  
9 eventually hit the news and everybody's going to  
10 suffer in some type of way. You know, people moving  
11 out of the area, people not patronizing those  
12 businesses, so it's going to go into a more of a  
13 financial problem and that's what I'm afraid of, you  
14 know what I mean?

15 And so someone's got to be held -- I don't  
16 think -- yeah, accountable and \$7 million? I don't  
17 think it could possibly help in this situation, you  
18 know. I mean, that's just my personal opinion, but  
19 we'll see. I just want to be on the list for the  
20 health part and my family. All right.

Exemption 6

21 MS. [REDACTED]: I'd like to say something. My  
22 name's [REDACTED] I've been living in that area  
23 28 years. My home is almost paid for. And I'm older.  
24 But if I decide to sell -- not that I'm planning on it

1 no time soon -- ain't nobody going to come in there  
2 and deal with some problems like that. You know what  
3 I'm saying? If it's problems with the -- with this  
4 vapor stuff is coming into people's homes, and you  
5 talking about putting a system there? Then we have to  
6 pay the electric bill. A extra five, fifteen dollars  
7 more in a bill that was not even our problem.

8 And I don't think that I should have to pay, or  
9 nobody else, should have to pay the price for somebody  
10 else's mistakes. That's what's not our mistake. And  
11 I don't feel that we should have no part of having to  
12 pay for somebody's -- because I have to pay for my own  
13 bills. And they got more money than me.

14 So putting -- hooking up a system in my home, if  
15 I have it there, then you talking about putting it on  
16 the outside of my home, around my foundation, or in my  
17 basement?

18 MS. BLAKE: In your basement.

Exemption 6

19 MS. [REDACTED]: In the basement?

20 MS. BLAKE: Yes.

Exemption 6

21 MS. [REDACTED]: And if I decide to sell and someone  
22 come looking at my home and see this down in there,  
23 that -- you know what I'm saying? They be like,  
24 "Well, what is this?" That's a turn-off. Nobody's

1 going to come in with no -- nothing like that. I know  
2 I wouldn't.

3 So all I'm saying is, I know you guys, it's not  
4 your fault particularly. It's the cleaners, Tuchman  
5 Cleaners, and all the other companies that's around  
6 there they caused the problem, and like -- I'm with  
7 him. It's been going on so long. And I been in that  
8 home, what, since 1990. And now there's a big  
9 problem. That's a concern. That's a major concern to  
10 me.

11 And then you don't know how long the system going  
12 to remain in my home? You say it might takes years  
13 later down the line before y'all be able to fix  
14 everything? I might be in my grave by the time things  
15 get fixed. You know what I'm saying? That's some --  
16 you know, I don't know. And I don't feel that we  
17 should have to pay for that problem.

18 Tuchman's Cleaners, all -- I know I have read a  
19 article where you said Tuchman's had filed bankruptcy  
20 or something.

21 MS. BLAKE: Yes.

Exemption 6

22 MS. [REDACTED]: But more than Tuchman's, them  
23 people, the owner that caused that problem, they talk  
24 about millions of dollars. They need to come up with

1 two more billions of dollars and get the problems  
2 fixed because you talking about people's health, their  
3 life, their living hood, their kids, their property.  
4 Just like he said, the kids live -- and you talking  
5 about a high, high cost and hurtful to human lives.  
6 And that's something to think about. I know I would  
7 want my home tested because I wouldn't want to be  
8 living like in toxic like that. You know what I'm  
9 saying? But I'm just kind of curious, because if I do  
10 decide to sell, ain't nobody going to buy that house  
11 and see something like that. That's my concern.

Exemption 6

Exemption 6

12 MS. [REDACTED] R: I'm [REDACTED] and I stay on  
Exemption 6  
13 [REDACTED] Evanston. I did y'all's system. It done caught  
14 fire twice in my residence. They know my system been  
15 down before Thanksgiving. I lost my grand -- I  
16 inherited the house because I lost my grandmother to  
17 cancer. She stayed in the house. Two years ago I  
18 just lost my dad to cancer from staying in that house.  
19 I just got diagnosed three months ago with lung cancer  
20 and I'm in that house.

21 Y'all need to -- y'all just (indiscernible) us.  
22 Y'all don't care. This lady done been to my house  
23 numerous of times. She put a system in there. Y'all  
24 ain't for us. I can't sell my house. Nobody want my



1 house with that knowing that this crap is in here.

2 Y'all ain't trying to help us. I showed her the  
3 results from my -- from the cancer and everything  
4 else. I'm 31 years old. Ain't nobody (indiscernible)  
5 my grandmother and my father, and y'all just now come  
6 last year trying to help me with my house.

7 Y'all been knowing about this crap. And y'all  
8 ain't being fair about it at all. I don't got no  
9 renter's insurance and if my house burned down from  
10 the system that y'all done put in there, what am I  
11 going to do? I'm responsible for this problem. Y'all  
12 ain't trying to help us for real. Y'all been knowing  
13 my system is down and you know I stay there. Y'all  
14 ain't trying to help. Ain't nobody came and got --  
15 all y'all want to do is keep getting samples. Help me  
16 out somewhere.

17 Y'all won't even tell us what these samples are  
18 and she tell me every time my house been failed  
19 tremendously. The levels is up high in my house and  
20 ain't nobody came and say, <sup>Exemption 6</sup> [REDACTED] can we help you  
21 out? Y'all can't ask me about the medical bills, do I  
22 got insurance or anything else. But I'm sure this  
23 cancer done came from that house from something that  
24 y'all didn't create but rather y'all did -- y'all took

1 on the problem.

2 Help us out. It's a school down the street.  
3 Y'all don't care. I ain't seen no pump on the school.  
4 But all these kids is up in there. Y'all just don't  
5 care. Like, I don't feel like y'all here to help us  
6 at all. Not one time nobody came back and said -- and  
7 I'm stuck with this -- they put solar panels because I  
8 get social security. So they try to put solar panels  
9 on my house so it won't be on my bill, my light bill.

10 This crap, they caught on fire and could catch  
11 into my house at any given time and all they can say,  
12 We'll come and change the battery.

13 And they put a daggone humidifier in my house.  
14 That's not helping for one room. I got a whole house.  
15 Like y'all not trying to help us (indiscernible)  
16 sitting here having these meetings and y'all know  
17 y'all full of it. Y'all ain't gonna help with my  
18 medical bills or nothing else. Y'all can't bring back  
19 nobody after we gone.

20 And y'all been knowing this crap been going on.  
21 Y'all full of it. Y'all sitting here making like  
22 y'all trying to help us people. Y'all don't give a  
23 care 'cause y'all don't live here. And that's how I  
24 feel about it.

1 Y'all sitting there like y'all here to help us.  
2 Y'all not trying to help us for real. Ain't nobody  
3 came and (indiscernible) we try something else.  
4 What's the next solution to this problem?

5 Right. It's quiet. Ain't no answer for it.  
6 Y'all full of it. But y'all want to have a meeting.  
7 The news should have stuck around and see what the  
8 heck is really going on with EPA.

9 Ain't got no answer to it. Nothing.

10 MS. LAM: Ma'am --  
Exemption 6

11 MS. [REDACTED]: Just let us lay up in there and die.

12 31 with lung cancer. I don't smoke or nothing else.  
Exemption 6

13 MS. [REDACTED]: I'm sorry, miss. I'm sorry.

14 Can somebody respond to her?  
Exemption 6

15 MS. [REDACTED]: They can't. Ain't nobody do  
16 anything. All she -- I got results today. What the  
17 heck? You should have been (indiscernible). Y'all  
18 came and took the samples a month ago.

19 UNIDENTIFIED SPEAKER: I would like to know if  
20 there's a connection between the public health --  
Exemption 6

21 MS. [REDACTED]: And it's done caught fire twice.

22 UNIDENTIFIED SPEAKER: -- assessment and your  
23 proposal.

Exemption 6  
24 MS. [REDACTED]: And I got no renter's insurance or

1 homeowners insurance.

2 MS. MUHTSUN: I'm sorry. Just a second.

3 We're going to -- Shelly, if you want to -- I'm  
4 sorry.

5 MS. LAM: So just so that you guys understand  
6 what Miss Exemption 6 is talking about, as she mentioned to  
7 you, you know, she's on social security and when we  
8 came to install a system for her house, she indicated  
9 that having that increased monthly cost in her  
10 electricity bill wouldn't work for her, so we tried to  
11 find a solution that would work for her financially.

12 We installed solar panels to power the system.  
13 It didn't work right. As she said, the inverter,  
14 which was outside the house, it did -- it did kind of  
15 spark and -- and burn out. It didn't affect the house  
16 at all.

17 But the -- she's right. The system's not working  
18 right now. Right now what we've done is we've  
19 installed a portable air purifying unit in her house  
20 and I want to work with her to get the system working  
21 again. Unfortunately, it might require tapping into  
22 your electricity, and I know that that could be a  
23 problem because of your -- you know, of your situation  
24 that you explained to me.

Exemption 6

1 MS. [REDACTED]: I feel it's y'all problem though.  
2 That's not my fault.

3 MS. LAM: No --  
Exemption 6

4 MS. [REDACTED]: -- tell you we put \$15 on there for  
5 the whole year. That's not fair to me.

6 MS. LAM: No --  
Exemption 6

7 MS. [REDACTED]: That's not fair at all.

8 MS. LAM: I understand your concern, and that's  
9 why I want to work with you. We have been testing her  
10 house and, you know, have been sending you the  
11 results. The last known results I can't really share  
12 those with everybody because that's your personal  
13 information.

14 But I'll tell you, they -- they look good, even  
15 with the system not working. They're below our  
16 screening levels that Keith was talking about.

17 But I do understand why you're angry and why  
18 you're frustrated and I -- I want to work -- continue  
19 to work with you on this to get this working. I know  
20 you had explained, like, your health concerns to me  
21 and they're valid and we do want to help you with --  
22 as much as we can. Like, in the back of the room we  
23 have ATSDR, the Agency for Toxic Substances and  
24 Disease Registry, and they can get you connected to,

1 like, medical professionals that understand how these  
2 environmental issues can affect your health.

Exemption 6

3 And we -- and please believe me, Miss [REDACTED].

4 We're not heartless. We do care. We want to help you  
5 as much as we can.

Exemption 6

6 MS. [REDACTED]: I got one humidifier in my house, in  
7 a two-bedroom with attached garage. I got one  
8 humidifier. One. And if my house had've burnt down,  
9 y'all wouldn't've took the blame for it. That would  
10 have been stuck on me. Y'all wouldn't have said, Hey,  
11 we'll help you rebuild or -- y'all wouldn't've did  
12 nothing. It would've been stuck on [REDACTED] Like  
13 that's not fair. It ain't no fairness in this. Y'all  
14 not playing fair.

Exemption 6

15 Just so happen, my house didn't burn down, but  
16 had it burned down, I wouldn't have been no -- it  
17 wouldn't have been no help. Oh, you should've had  
18 some homeowners insurance.

19 MS. LAM: Well, it --

Exemption 6

20 MS. [REDACTED]: Like, come on. Y'all chance to me.  
21 I'm laying in this house every day and night and had a  
22 fire broke out and I wasn't able to disconnect this  
23 stuff, I would've been -- like who -- who's paying for  
24 funerals?

1 MS. LAM: And I'll say, we don't normally put  
2 solar panels on a house and what --

Exemption 6

3 MS. [REDACTED]: It was y'all's idea.

4 MS. LAM: You're right. You're absolutely right.  
5 It was my idea. And it didn't work out and so that's  
6 why we disconnected it. And -- but we do want to make  
7 this right for you.

8 So afterwards or another day, you and I can talk  
9 about how we make this right for you.

Exemption 6

10 MS. [REDACTED]: What do Tuchman Cleaners and all  
11 these companies -- because they caused the problem.

12 MS. LAM: Yes, ma'am.

Exemption 6

13 MS. [REDACTED]: What are they stepping up to do for  
14 the community or for the area?

15 MS. LAM: Well, as Leslie explained, some of  
16 these companies are bankrupt. They won't be able to  
17 do anything to step up.

18 Other companies, as she does her investigation,  
19 she'll figure out, do they have the means to step up  
20 and pay for this cleanup and make things right? So  
21 that's going to be part of what she does.

Exemption 6

22 MR. [REDACTED]: Most situations like this, they have  
23 a disaster fund or they have people come in like FEMA.  
24 Who's here? Where's the lawyers? Who will come and

1 say, Well, do you have medical bills? What's -- you  
2 know, is there any other problems because of these  
3 problems? There's -- like -- we're not hearing that.  
4 At all.

5 MS. LAM: No, I understand. And this is not like  
6 a FEMA disaster. At all. It's not like a disaster  
7 declaration. This is something totally different.

8 As far as, like, medical resources, you know, we  
9 do have ATSDR and maybe, Stephen, you can speak about,  
10 like, what's available through your agency or provide  
11 some information.

12 I do understand that you're concerned about how  
13 this has affected your health, and that's why, you  
14 know, we've brought in people like ATSDR and  
15 Dr. Fusinski and the Health Department to help us  
16 understand how this contamination may have affected  
17 your health.

18 I'm sorry, Leslie. I'll give it back to you.

Exemption 6

Exemption 6

19 MS. [REDACTED]: Hi. My name is [REDACTED].  
20 I'm a resident nearby, just outside of what -- just to  
21 the northwest of what was defined as the perimeter.

22 I'm -- I too am concerned about human health and  
23 what resources we have as people who live in the area  
24 when we get sick and when our family members get sick



1 and why -- and why it's not included in the vapor  
2 reduction part of this plan.

3 MS. BLAKE: Your property? Why it's not --

4 MS. <sup>Exemption 6</sup> [REDACTED]: I don't own. I rent, you know?

5 MS. BLAKE: So are you talking specifically about  
6 your property or just --

7 MS. <sup>Exemption 6</sup> [REDACTED]: Yeah.

8 MS. BLAKE: Okay. So I'm not sure where you are  
9 in location to the area, but what we have found is  
10 that this vapor intrusion area does follow the ground  
11 water pathways. So it is cause -- it's coming from  
12 the ground water contamination in the area and causing  
13 these high vapors.

14 And the closer you are to the source area, the  
15 more likely it is that you're going to have a vapor  
16 intrusion issue.

17 That area, as I said, there's 88 potential  
18 buildings that fall under it. That's an estimate.  
19 That's not to say that every person in that area is  
20 going to have an issue in their home. If you're  
21 closest to the source, then, yes, you may, but that's  
22 why we need to test these properties because we don't  
23 know if it's an issue.

24 MS. <sup>Exemption 6</sup> [REDACTED]: I also wanted to bring to your

1 attention that -- so I'm at Marcy Village and that's  
Exemption 6  
2 at [REDACTED]th just north of the deaf school, and there -- we  
3 have some significant wells as part of the same pad  
4 that's down here at -- on Fall Creek. They're listed  
5 as the same number in the -- from the DNR and  
6 everything and they're pumping, you know, hundreds of  
7 thousands of gallons a day.

8 And so I would imagine, you know, I think the  
9 ground water that's flowing up that way, and then I  
10 look at your gas -- your soil gas map and it's -- it's  
11 not easy to see a property on the other side -- one  
12 property on one side of the street having levels that  
13 are, you know, exponentially higher and dangerously  
14 toxic or, you know, way above your levels, and then  
15 the property on the other side of the street has  
16 nothing.

17 MS. BLAKE: Yeah, so vapor intrusion is tricky.  
18 It follows preferential pathways, usually. So it can  
19 actually go through sewer pipes, conduits, that sort  
20 of thing. But, again, in this instance, it has been  
21 following the pathway of the ground water.

22 So it just depends on the test results from that  
23 property. I mean, maybe they're venting. They're  
24 opening windows, running ventilation fans, and that's

1 why the concentrations were lower. That can also  
2 help. And those are actually measures that we talked  
3 about to property owners to take action now before we  
4 can install a system. So that could also be why  
5 there's a difference between the -- you know,  
6 different side of the street.

Exemption 6

7 MS. [REDACTED]: Okay. Thank you.

Exemption 6

Exemption 6

8 MR. [REDACTED]: Hi. My name is [REDACTED] and I  
9 wanted to ask, how much is the cost of running that  
10 system once it's installed in your house?

11 MS. BLAKE: So the cost will be for electricity.  
12 So it can range from \$5 to \$15 extra per month.

Exemption 6

13 MR. [REDACTED]: Per month?

14 MS. BLAKE: Yeah. And it's depending on your  
15 square footage.

Exemption 6

16 MR. [REDACTED]: And looking at the map that you guys  
17 have of the area, if I understood it correctly,  
18 there's not a lot if any testing done south of Fall  
19 Creek. Is there a reason for that?

20 MS. BLAKE: There actually -- there was some  
21 testing that was done south of Fall Creek, but this  
22 was the -- again, like this is the closest to the  
23 contamination area -- the source area so that's why  
24 this area was developed.

1           The area south of Fall Creek, the concentrations  
2       were a lot lower. So we do have actual figures but  
3       it's not part of this proposed plan because systems  
4       didn't need to be installed in that area.

Exemption 6

5       MR. [REDACTED]: Okay. And how soon can somebody come  
6       out and -- if we want it done, can come out and test?

7       MS. BLAKE: The property?

Exemption 6

8       MR. [REDACTED]: Yeah.

9       MS. BLAKE: If you fall underneath this area of  
10      concern, then --

Exemption 6

11      MR. [REDACTED]: Yeah, I'm in that area.

12      MS. BLAKE: I'm looking at my contractor right  
13      now. Sorry. We -- let's see. I mean, so what we  
14      envisioned is doing our pre-design testing for -- as,  
15      part of, like, the installation of the systems, so I  
16      would say we would have a record of decision, so we'd  
17      have that decision document that says we're actually  
18      going to do the cleanup, and then we can go forward  
19      and test. So anywhere from three to six months,  
20      probably, would be a good estimate.

Exemption 6

21      MR. [REDACTED]: Before somebody can come out and  
22      test --

23      MS. BLAKE: And, like, actually start -- yeah.  
24      Because we would want to do it as a lump and -- like,

1 we don't want to just go out to one property. We want  
2 to get access to all of these properties so that we  
3 can, you know, utilize our resources.

Exemption 6

4 MR. [REDACTED]: And how long before the system is  
5 installed if they find something?

6 MS. BLAKE: So to install the system, it would  
7 have to be after the record of decision is signed,  
8 because then we go to headquarters, EPA headquarters,  
9 for funding to design this remedy. Like, as you saw,  
10 it's up to 7.2 million. So it's not, like, an easy  
11 fix to just have the money right there and then, and  
12 it has to be on the record that we have a decision  
13 document. That's why we do that.

14 So it could be up to a year to install.

Exemption 6

15 MS. [REDACTED]: And maintain it? How would the  
16 system be maintained? Do they cause -- you know, do  
17 you have to maintain these systems regularly?

18 MS. BLAKE: So we have a five-year to do our  
19 testing on it, to make sure it's functioning properly,  
20 and then after the five years, it's -- you know, it's  
21 on the homeowner.

22 But the fans run -- they're on average -- they  
23 last about 10 years. So after that, you know, it's on  
24 the homeowner to contact the manufacturer, and in some

1 instances we actually met with homeowners and the  
2 manufacturer replaced the blower on it at no cost.

3 So -- but I would say up to 10 years.

4 UNIDENTIFIED SPEAKER: Oh, wow.

Exemption 6

5 MR. [REDACTED]: My final comment was that I understand  
6 what you were saying. I just want it on the record  
7 that I don't think that that's acceptable to a year if  
8 they find something in your house because from here,  
9 in a year, something -- your health could be affected  
10 by it.

11 So I know you guys have a lot of things to do,  
12 all the paperwork, but I don't think it's acceptable  
13 and maybe there should be a way that that's sped up  
14 because a year is -- seems too much for me to have  
15 something like that installed in your house if you're  
16 living in it.

17 MS. BLAKE: Yes. Let me back up, actually.  
18 Okay. So Keith talked about those screening levels.  
19 We have what we call -- those are based on a 1 in  
20 10,000 chance of developing cancer, okay?

21 We also have screening levels that are based on  
22 a -- hold on -- 1 --

23 MR. FUSINSKI: Let's go back. One in a million.

24 MS. BLAKE: Let's go back. One in a million.

1 Those are based on one in a million.

2 If you exceed in 1 in 10,000, that requires  
3 immediate action.

4 So, yes, we can install -- if it's a residential  
5 property, we can install a system immediately as a  
6 time-critical emergency action, which is what Shelly  
7 Lam, our OSC, is out there doing now.

8 So it actually would be a lot less time if you  
9 end up exceeding those what we call removal management  
10 levels.

Exemption 6

11 MR. [REDACTED]: If you end up exceeding those levels  
12 you mentioned, it would still be like six months  
13 before somebody comes out and tests; is that correct?

14 MS. BLAKE: No. No. It could be up to a month  
15 later. I'm not actually -- I'm not going to speak on  
16 behalf of Shelly because she's done this for the --

Exemption 6

17 MR. [REDACTED]: But you're saying it takes six months  
18 just to test. That's what she told us.

19 MS. BLAKE: Well, it -- yes, it could -- in this  
20 instance, yes.

Exemption 6

21 MR. [REDACTED]: So they can live in --

22 MS. BLAKE: But as far as installing the system,  
23 it would be a lot faster if we determine -- we find  
24 out that there's a serious --

Exemption 6

1 MR. [REDACTED]: But just to determine you're within  
2 that dangerous level, it would take six months at  
3 least, right?

4 MS. BLAKE: That's what I'm saying, yes.

Exemption 6

5 MR. [REDACTED]: That's unacceptable.

Exemption 6

6 MS. [REDACTED]: My name is [REDACTED]kman,

Exemption 6

Exemption 6

7 [REDACTED].  
8 I've got a few questions. You mentioned the  
9 \$7.2 million needed to address this issue. Does any  
10 of that include compensation to people?

11 MS. BLAKE: No.

Exemption 6

12 MS. [REDACTED]: Is that even on the table?

13 MS. BLAKE: No.

Exemption 6

14 MS. [REDACTED]: Isn't that pretty shameful? I'm  
15 not trying to --

16 MS. BLAKE: I understand.

Exemption 6

17 MS. [REDACTED]: -- you know, accuse you of  
18 anything. I'm saying this -- this --

19 MS. BLAKE: But, yeah. So Superfund laws -- so  
20 that's why we exist because when companies go  
21 bankrupt, then the federal government can come in and  
22 help clean up the contamination. But we're not going  
23 to pay off people. That's usually part of a private  
24 litigation.



Exemption 6

1 MS. [REDACTED]: I'm saying, you have these issues  
2 coming up with no -- they did nothing, nothing at all,  
3 to create this problem, but then they're not included  
4 in any kind of compensation, even for medical bills.  
5 That's not even addressed. Like you say, it's not  
6 even on the table.

7 And you mentioned concerning these companies who  
8 are contaminating these areas, you're saying if they  
9 have the means to pay. So they could walk away. They  
10 contaminate the area, people get sick and they die,  
11 and they just walk away. I mean, that's what it  
12 sounds like you're saying.

13 And I'm wondering, so are the companies that  
14 are -- are they still contaminating the areas, the  
15 water? Are there still companies now contaminating?

16 MS. BLAKE: No. I mean, this is historical  
17 contamination. It was done probably 20 years ago and  
18 it's causing this issue.

Exemption 6

19 MS. [REDACTED]: So what were the indications that  
20 the EPA should address this? What's happened? What  
21 indication did you have that something's wrong?

22 MS. BLAKE: So the state went out and collected  
23 samples from all of these different industrial  
24 facilities, you know, they had ground water wells they

1 were collecting samples and determined that there's  
2 high concentrations and that something needed to be  
3 done to address this area, so they then referred it to  
4 federal, to EPA, and then we went through our listing  
5 process, got the site on -- you know, for -- eligible  
6 for Superfund tax dollar money to start the cleanup.  
7 But it started, you know, with the state and then it  
8 goes to federal.

Exemption 6

9 MS. [REDACTED]: So anywhere where there's  
10 industrialization, they'll go in and do testing.

11 MS. BLAKE: It depends. You know, I've seen  
12 instances where even sometimes homeowners, if they  
13 have private wells, they'll test their wells, or have  
14 the health department come in and test the wells, and  
15 then if there's an issue, then if there's a big enough  
16 problem and that we find, like, it's related to some  
17 type of contamination, then, yes, then it can -- we  
18 can come in and address the problem.

Exemption 6

19 MS. [REDACTED]: Okay. I've got one more question.  
20 This is regarding the equipment. And you said it goes  
21 into the atmosphere. So these are the same vapors  
22 that were seeping into the home creating this possible  
23 health problem, and then they're going to be dispersed  
24 into the air.

1 MS. BLAKE: Yes. So -- well, it's -- so it's --

2 MR. FUSINSKI: So if they're in a confined space  
3 like your house and they get up to concentrations, you  
4 know, above our screening levels, they could  
5 potentially cause a health risk.

6 The thing is, these things actually break down in  
7 ultraviolet light.

8 Exemption 6  
MS. [REDACTED]: I'm sorry.

9 MR. FUSINSKI: They break down in sunlight. So  
10 when they come up into the atmosphere, once they hit  
11 the atmosphere, they break down.

12 Exemption 6  
MS. [REDACTED]: They break down into . . . ?

13 MR. FUSINSKI: The final part is -- quick, help  
14 me here. You know this stuff.

15 Exemption 6  
MS. [REDACTED]: You're saying they're no longer a  
16 threat once they break down?

17 MR. FUSINSKI: Yeah. Here's the breakdown.

18 MR. PETROFF: Ultimately carbon dioxide.

19 MR. FUSINSKI: There you go. Ultimately into  
20 carbon dioxide. That's what it breaks down to.

21 MS. BLACKMAN: I'm sorry.

22 MR. FUSINSKI: Carbon dioxide, what we breathe  
23 out, is what it breaks down to.

24 MS. BLACKMAN: Okay. Thank you.

Exemption 6

1 MR. [REDACTED]: I've got one other question. I know  
2 we're talking about doing the additional testing,  
3 going into homes and doing -- setting up monitoring  
4 devices to determine how bad that particular home is,  
5 but -- and we're having a community hearing tonight.  
6 My question is, what happens beyond tonight when we're  
7 being made aware of a situation and the severity of it  
8 and that there are problems and that you will be  
9 coming out, going around, knocking on doors,  
10 installing systems in homes to find out how bad the  
11 problem really is.

12 But the question is what happens beyond this as  
13 far as community involvement? How do we -- will we  
14 know, you know, how things are proceeding, how the  
15 program is working, whether it be reports or studies  
16 or newspaper articles? I mean, how do we feel  
17 comfortable that there's something being done that we  
18 can, you know, rest assured that there aren't going to  
19 be any health hazards?

20 And coming back to my question about the water,  
21 you're saying that, yes, I know Citizens --

22 MS. BLAKE: Citizens Water.

Exemption 6

23 MR. [REDACTED]: -- test the water and they have  
24 their report, but what if we or someone wants to have

1 their water tested? Because I don't trust what  
2 they're doing per se. They may not be giving us all  
3 of the information. If someone wanted to do an  
4 independent analysis, will you pay for that so that we  
5 can feel certain that our home is not being affected  
6 by these chemicals in our water?

7 MS. BLAKE: I would say if you're really  
8 concerned, contact the local health department, Marion  
9 County, because the municipality is under very strict  
10 regulations. They can't just distribute contaminated  
11 water to the public. So if you really feel like  
12 there's an issue with your water, talk to Marion  
13 County Health Department because we've also had some  
14 people in the area that were concerned and referred  
15 them to the health department and they went in and  
16 they -- they can collect a sample. I mean, they're  
17 here. They're on the ground. So they can come in and  
18 collect a sample if it's, you know, warranted.

19 MS. MUHTSUN: Can I step up again?

20 So to answer your question about how EPA  
21 communicates with the community, what we do is -- I  
22 mean, we have a website for the site, or for all of  
23 our sites. We update the websites. We send out  
24 mailers with fact sheets. We even tweeted about this

1 meeting tonight.

2 So as Leslie continues to do her side of the  
3 cleanup investigations and studies, you know, she lets  
4 us know, okay, we have a record of decision, and then  
5 it would be my job or Heriberto's job, who's the CIC  
6 for the site, to announce it to the community by way  
7 of website or flyers or -- and then, you know, we make  
8 ourselves available too. So if you do have a question  
9 in between the times that we're making updates or  
10 having meetings, you know, please feel free to contact  
11 us and, you know, we're happy to answer your  
12 questions.

Exemption 6

13 MR. [REDACTED]: My question is for her while you're  
14 still here. No, no, no. You. Because when I look  
15 around the room, I don't see the neighborhoods of all  
16 these people. It's -- something's wrong with the  
17 communication because nobody showed up. So maybe we,  
18 you know, need to get this out there a little bit more  
19 to get everybody involved because it's no way, if  
20 you're telling us how serious this is and we got a  
21 empty room, something's wrong.

22 MS. MUHTSUN: I can say for this particular  
23 meeting we did do a newspaper ad, we announced it on  
24 our web page, we did a mass mailer of the fact sheets

1 and comment sheets. We sent out a tweet. So we have  
2 tried very hard to communicate with everyone. You  
3 know, if you can think of a better way we can  
4 communicate, if there's a resource that we're not  
5 using, please let me know because there's no point for  
6 us to spread this message if nobody's hearing it. If  
7 nobody's reading newspapers or checking their mail,  
8 then, yes, we need to find another way to communicate.

9 UNIDENTIFIED SPEAKER: -- door to door.

Exemption 6

10 MS. [REDACTED]: Because this is serious business  
11 here. Y'all just saying y'all send it --

12 MS. MUHTSUN: We have --

Exemption 6

13 MS. [REDACTED]: -- junk mail. If you asked me, I  
14 wouldn't have responded --

15 MS. MUHTSUN: I'm sorry. Can we talk one at a  
16 time, please, for the court reporter because she's  
17 recoding this entire meeting so . . . .

Exemption 6

18 MS. [REDACTED]: It looks like junk mail, like ain't  
19 nobody going to -- this something you throw away with  
20 some coupons or something. This is something serious.  
21 The news people should have been standing here longer  
22 to see what's going on, like this is involving  
23 people's lives.

24 MS. MUHTSUN: Okay. So --

Exemption 6

1 MS. [REDACTED]: I mean, this ain't something that  
2 you jump around about. Like if it was y'all  
3 household, y'all would've wanted this on the news on  
4 top stories. Like, this is a health hazard. Like,  
5 this ain't no -- no -- it's something serious. Like,  
6 our lives is at stake here.

7 MS. MUHTSUN: So there was a --

Exemption 6

8 MS. [REDACTED]: I feel like y'all should have been  
9 on the news. Y'all should have been in the news  
10 reporter's face letting him know, letting the world  
11 know what's going on in our neighborhood, like this  
12 ain't something that you joke about, like people done  
13 lost they lives already I'm sure from this. Because I  
14 know my dad and my grandmother are gone from it. And  
15 I -- ain't no telling if I'm going to be here at y'all  
16 next meeting. I might be gone from it.

17 Like, y'all need to take this more serious than  
18 what y'all doing. Like, I'm 31 and I just got  
19 diagnosed with lung cancer two months ago. Like, it's  
20 not fair. Like, our lives is at stake. Like, it's  
21 not a playing matter. Like, it's serious. Like,  
22 people got kids and things and we won't be able to  
23 watch them grow because they might not even grow as  
24 they're dealing with what y'all telling us is in our



1 home. Like, it's serious. Y'all might -- y'all ain't  
2 said, hey, well, if it is from us, can we -- can we  
3 send you somewhere and see if it's from what's going  
4 on? Can we see if this is what caused y'all cancer?

5 Y'all ain't saying y'all willing to help us out  
6 with no medical bills or nothing else. Lord, Lord,  
7 Lord. I'm glad he's on my side. I get disability and  
8 I got Medicaid, but what about the people that don't?  
9 Like, y'all ain't helping with our medicine. Y'all  
10 ain't trying to contact <sup>Exemption 6</sup> [REDACTED] or whoever the heck  
11 they are and -- y'all took on they problems so I feel  
12 like y'all responsible and I feel like -- I'm going to  
13 let y'all know, I'm going to get a lawyer involved in  
14 it because this is bull crap.

15 Like, she got up there and told y'all she been  
16 knowing my system is down. Not saying it's your  
17 fault, Miss Shelly, but ain't nobody been back out to  
18 get my system back up and running. Ain't no filters  
19 for this humidifier y'all done put in my house for a  
20 two bedroom. And y'all got me one humidifier and  
21 ain't nobody been back out there to change a filter on  
22 this machine or nothing else. And they don't contact  
23 us. I'm telling y'all.

24 And I'm telling y'all further, Miss Shelly,

1 because I don't have no reason to tell no story on  
2 these people. I ain't heard from them since around  
3 after Christmas when I contacted them -- the  
4 neighborhood -- with my -- the battery they put in  
5 there is gone. Like, like, the -- they did a  
6 piss-poor job, if you ask me. They put it in a little  
7 plastic tote with a battery. The little junkies in  
8 the neighborhood came and took the battery and I ain't  
9 heard back from them. They been knowing my system's  
10 been down since before Thanksgiving and nobody's  
11 reached back out to help me. Oh, they come and drop  
12 they canisters off and they collect their samples. I  
13 ain't heard back from them. And that was in January  
14 they did the -- or I believe it was January they came  
15 and took air samples. And Miss Shelly's just going to  
16 tell me she just got results for me tonight.

17 Like, let's be for real about this. I don't feel  
18 like y'all care about what's going on with us for  
19 real. Y'all want to clear y'all name is what I feel  
20 like. Y'all want to -- y'all got the money to help  
21 y'all facility because it ain't helping us for sure.  
22 We can clearly see that. Like, whether it's y'all  
23 fault or whoever fault it is, ain't no we got to go  
24 door to door. Y'all need to do -- this is y'all's

1 job. Like, y'all should be, hey, we need to put this  
2 in here if y'all want to live. We need to put this  
3 machine in y'all's' house.

4 Y'all ain't doing that. Like, y'all -- this is  
5 lives. People's lives. Like, we breathe just like  
6 y'all do. Like, take it in consideration. Y'all  
7 worried about if somebody going to sue y'all or  
8 something is what it sound like to me. Y'all didn't  
9 want to talk about these parts. Y'all want to talk  
10 about what y'all can do to help us and clearly y'all  
11 not helping us for real.

12 But every time I speak, nobody got nothing to say  
13 about it. Well, then one of these little -- one of  
14 they little questions come out and all y'all got  
15 answers. It's going to break down to carbon monoxide  
16 or whatever y'all hollering it's gonna break down to.  
17 Y'all letting it -- release it into the air and it's  
18 going right back into the same soil. Tell me if I'm  
19 wrong. It's falling right back. It's coming right  
20 back in our house. Y'all want to come up with these  
21 little names. Y'all don't tell us what the results  
22 mean. Y'all want to tell us these big old names.  
23 Y'all want to put these names on it. We didn't go to  
24 school for sciences. We don't know what the heck we

1 breathing. Y'all just take this and show your doctor.

2 Well, the doctor done told me I got lung cancer.  
3 Like, for real. Like, be for real. Like, y'all not  
4 showing that y'all care about us for real. Like,  
5 everybody's here with these dumb blank faces. Y'all  
6 don't got no answers for us for real.

7 MS. MUHTSUN: So we have 30 minutes left. I'll  
8 take your questions and --

Exemption 6

9 MS. [REDACTED]: Ain't got no 30-minute answer for me  
10 either.

11 MS. MUHTSUN: We'll spend the remaining half hour  
12 taking any public comments on the proposed plan. We  
13 do have the proposed plan up on the website for the  
14 Keystone site, so if you want a couple days to go over  
15 it before you make a formal comment to EPA, please  
16 feel free to -- again, the comment period is open  
17 until April 5th.

18 UNIDENTIFIED SPEAKER: Can I have a map, if you  
19 have one available, of the area that I could have  
20 personally? Y'all have any extra maps?

21 MS. MUHTSUN: Yeah, we'll find one for you.

Exemption 6

Exemption 6

22 MS. [REDACTED]: Hi. This is [REDACTED]  
23 again.

24 I have a question. From looking at the Citizens

1 Energy website on their water quality thing, there's  
2 very little if not any information on what they're  
3 testing for. I didn't see anything about TCE or PCE  
4 from the drinking water supply. I know there's a  
5 significant amount of it coming from the area.

6 MS. BLAKE: Yeah, they test for TCE and PCE.  
7 It's in the standard volatile organic compound list so  
8 it's usually on the quarterly water quality report  
9 from Citizens Water. So you can -- they're required  
10 by law to send it to residents. If you did not  
11 receive a copy, then go to their website or contact  
12 them directly. But, yes, they do test for TCE and  
13 PCE.

Exemption 6

14 MS. [REDACTED]: Okay. And one more. I was just  
15 wondering about your plan for establishing any kind of  
16 a ground water monitoring network.

17 MS. BLAKE: Yes. So we do have monitoring wells  
18 that we installed in the area and that's why we have  
19 determined the extent of the ground water  
20 contamination. I can pull up one of the figures.

21 But, yes, we do have a system in place, and then  
22 we can take periodic samples from that to make sure  
23 that it's not migrating further southwest. Because  
24 it -- ground water follows the flow pathway of Fall

1 Creek, which moves south, southwest. So, yes, we want  
2 to make sure that it's not going past the creek.

Exemption 6

3 MS. [REDACTED]: It does seem curious that the  
4 limits are -- do not enter Fall Creek.

5 MS. BLAKE: We took some surface water samples in  
6 Fall Creek.

7 Brett, do you remember --

8 MR. FISHWILD: We did collect samples along that  
9 entire length of Fall Creek. We specifically sampled  
10 pour water, as we call it, the water that comes into  
11 the creek, and we sampled the creek itself and no  
12 concentrations were found above screening levels.

13 So, as Leslie said, the plume, the color that  
14 you're seeing up on the map there, generally follows  
15 ground water, and that is the extent of the ground  
16 water that's above screening levels.

Exemption 6

17 MS. [REDACTED]: Maybe you can explain this.  
18 You're saying that -- and he asked earlier is the  
19 water safe to drink and you said it was, but you're  
20 also saying that vapor follows ground water?

21 MS. BLAKE: Right.

Exemption 6

22 MS. [REDACTED]: So the path of the water -- so  
23 does that -- so are you saying that -- you're not  
24 saying the water is not contaminated; you're saying

1 the water is not contaminated to a certain level. Is  
2 that what you're saying?

3 MR. FISHWILD: Well, to help clarify, the water  
4 that you're drinking out of your faucet is coming from  
5 these municipal wells that you've been talking about.  
6 The municipal wells that are on the other side of the  
7 creek are in bedrock. They're 200 --

8 MS. BLAKE: Like 200 feet.

9 MR. FISHWILD: -- down. So they're pulling water  
10 from 200 feet down.

11 That water up there, this colored plume that  
12 you're looking at, that is ground water that's  
13 anywhere from approximately 30 to 40 feet down.

14 So that's why they're saying the water that's  
15 being pulled into municipal wells is different water  
16 than that there. So that water --

Exemption 6

17 MS. [REDACTED]: -- coming from bedrock. All the  
18 wells are logged as they are.

19 MR. FISHWILD: On the west. The shallow well  
20 field that you're talking about are the municipal  
21 wells far to the west, off of this map.

Exemption 6

22 MS. [REDACTED]: Okay. Off of this map, but still  
23 at 45th and just north of the deaf school, we've got  
24 two major wells there and they're at about 80.

1 MR. FISHWILD: Correct. And the plume is not  
2 there.

Exemption 6

3 MS. [REDACTED]: And the two that are just a block  
4 north of that that are pulling just the same --

5 MR. FISHWILD: And the plume is not there.

Exemption 6

6 MS. [REDACTED]: So it's not being drawn by any of  
7 that --

8 MR. FISHWILD: Not today.

9 MS. SIMMS: Eventually.

10 MR. FISHWILD: So does that help? It's the  
11 ground water and the wells on this map 200-some feet  
12 down, that's the water that's going into the water  
13 system.

14 This the ground water here on the map, that is  
15 what's creating the vapors that is the concern that  
16 EPA is doing.

17 MS. BLAKE: It's shallow ground water that's  
18 causing the concern.

Exemption 6

19 MS. [REDACTED]: So that's what I'm asking. It's  
20 not that the water's not contaminated. It's just --  
21 it's not contaminated to a certain level.

22 MS. BLAKE: Your drinking water is not  
23 contaminated but the ground water -- so anywhere from  
24 0 to 80 feet is contaminated. So, yes, in the future



1 it has the potential to migrate into the bedrock, into  
2 the drinking water. At this time your drinking water  
3 is safe to drink.

4 UNIDENTIFIED SPEAKER: What's the timeline for  
5 the future? What are we looking at?

6 MS. BLAKE: They have well -- have protection  
7 areas that -- Citizens Water. So they kind of look at  
8 it like one-year time frame, and five-year time frame,  
9 to figure that out. But the bottom line is they have  
10 a treatment system in place. They have what's called  
11 an air stripper and it's treating any residual  
12 concentration, should it be found, in any of their  
13 supply wells.

14 UNIDENTIFIED SPEAKER: My one last comment was  
15 that you're asking how you could reach out to the  
16 community to let them know about this and I would  
17 suggest going to the news.

18 MS. MUHTSUN: The news.

19 UNIDENTIFIED SPEAKER: I think that would be,  
20 like, a really, really big way to reach out to people  
21 because I know how people watch the news and make an  
22 announcement. I think that would really, really be --

23 MS. MUHTSUN: More effective than an ad?

24 UNIDENTIFIED SPEAKER: More effective. A lot

1 more.

2 MS. MUHTSUN: Thank you.

3 Did anyone else want to make -- or have any  
4 questions or make a formal comment about EPA's  
5 proposed plan?

6 UNIDENTIFIED SPEAKER: You say we have until  
7 April 5th to do it?

8 MS. MUHTSUN: Yes. Yes.

9 UNIDENTIFIED SPEAKER: Can we do it online?

10 MS. MUHTSUN: You can do it online. And if you  
11 mail it, it can be postmarked by April 5th, so it's  
12 okay if we get it a couple days late.

Exemption 6

13 MR. [REDACTED]: I've got a question.

14 MS. MUHTSUN: Sure.

Exemption 6

15 MR. [REDACTED]: So who's funding you guys? Who's  
16 funding the EPA right now?

17 MS. MUHTSUN: Federal tax dollars.

18 MS. BLAKE: Yeah. Federal appropriations bill  
19 from Congress.

Exemption 6

20 MR. [REDACTED]: So if we have financial issues or  
21 problems or health problems, we should contact the  
22 federal government, is that what you're saying, and  
23 maybe apply for some kind of grants or whatever since  
24 we're in an affected area? I mean, anybody know

1 anything, any addresses or anything that we should  
2 know of? I'm sure there's something out there.

3 MS. MUHTSUN: There's something out there. I  
4 don't know off the top of my head. I can research it  
5 for you.

Exemption 6

6 MR. [REDACTED]: Please.

7 MS. MUHTSUN: Yeah, and get back to you. Do you  
8 have a card? Or I can get your information down.

9 MR. FUSINSKI: You signed in, right?

Exemption 6

10 MR. [REDACTED]: Right.

11 MS. MUHTSUN: Anything else or any comments?  
12 Questions?

13 Well, thank you for joining us. If you want to  
14 stick around, we have the room till 7:00 [sic] if you  
15 want to ask questions or gather any information.

16 Thank you for joining us.

17 (Time noted: 7:39 p.m.)  
18  
19  
20  
21  
22  
23  
24

STATE OF INDIANA       )  
  )   SS: MARION  
COUNTY OF MARION     )

I, Mary McCarty, a Notary Public in and for the County  
of Marion, State of Indiana at large, do hereby certify  
that on the 20th day of March, 2018, I took down  
stenographically the foregoing proceedings, and that the  
transcript is a full, true and correct transcript made from  
my stenographic notes.

IN WITNESS WHEREOF, I have hereunto set my hand and  
affixed my notarial seal this 30th day of March, 2018.

*Mary S. McCarty*

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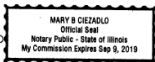
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